

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF :
Eiichi KITAZONO, ET AL. :EXAMINER: Schmidtman, Bahar
SERIAL NO.: 10/577,154 :
FILED: April 21, 2006 :GROUP ART UNIT: 1623

DECLARATION UNDER 37 C.F.R. 1,132

COMMISSIONER FOR PATENTS
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Sir:

I, Hiroaki Kaneko, am one of the inventors of the present invention.

I have conducted the following experiments.

409 mg (40 equivalents based on 100 equivalents of the carboxyl group of hyaluronic acid) of L- α -dipalmitoylphosphatidyl ethanolamine was dissolved in 200 ml of a 1/1 solution of tetrahydrofuran and water (v/v). 500 mg of sodium hyaluronate was added to this solution, and 0.1M HCl and 0.1M NaOH were added to the resulting solution to adjust its pH to 6.8. 120 mg of a hydrochloric acid salt of 1-ethyl-3-[3-(dimethylamino)propyl]-carbodiimide (WSC) and 100 mg of 1-hydroxybenzotriazole (HOBt) were dissolved in 10 ml of a 1/1 solution of tetrahydrofuran and water, and the resulting solution was added to a reaction system and stirred through the night. After stirring, the obtained solution was purified by dialysis and freeze dried to obtain a product of interest.

30 mg of this freeze dried product was dissolved in 970 mg of ion exchange water to form a non-viscous liquid having a concentration of 3 wt%.

It is understood from the above experiments that hyaluronate phospholipids conjugated with a saturated fatty acid, i.e., a saturated C16 fatty acid and actually embodied by the cited reference Katsukiyo et al. does not form a hydrogel but a non-viscous liquid under the same conditions as in Example 1 of the present application.

The undersigned declares further that all statements made herein of his own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of this application or any patent issuing thereon.

Further declarant saith not.

Hiroaki Kameko
Signature

Jan. 6, 2011
Date